

Canada's Contributions to Space - Assignment

Station #1: Videos [7 marks]

1. James Webb Telescope (video)
 - a. How large will it be?
 - b. What is Canada's contribution to this telescope?
 - c. What are scientists hoping NERES will be capable of doing?
 - d. When will this telescope be launched?
2. Mars Rover: Curiosity (video)
 - a. What is the purpose of Curiosity?
 - b. What is Canada's contribution? What will it do?

Station #2: People in Space [12 marks]

1. Who was the first Canadian in space? What does he do now?
2. How many journeys did Canada's first astronaut make to space? What were two jobs that he performed while there?
3. Who was the first Canadian woman in space?
4. Who is the only Canadian to have been on Mir, the Russian space station?
5. When was the first Canadian spacewalk?
6. Which Canadian astronaut has been in space the longest?
7. What was "the first Canadian cosmic catch"?
8. Which Canadian woman has been to space twice?
9. Who was Canada's first space tourist?

Station #3: Radarsat Satellite [7 marks]

1. What is the Radarsat satellite?
2. Why does it use radar instead of optical instruments?
3. What is its main purpose?
4. What two organizations were involved in Radarsat's creation?
5. What kind of resolution did the first Radarsat provide?
6. What kind of resolution will Radarsat be able to provide? How will this change the type of objects it can see?

Station #4: David Florida Laboratory [7 marks]

1. What is it?
2. What does it do?
3. When was Radarsat-2 launched?
4. What is Canada's contribution to the International Space Station?
5. When did it work on the Canadarm?
6. When did the DFL receive the first Canadian contract?
7. What is HERMES?